

App. No. 10/731,242

Amendment Dated: June 8, 2006

Reply to Office Action of March 9, 2006

**Amendments to the Claims:**

1. (Currently amended) A method for representing header and footer structures in a markup language document, comprising:
  - determining properties corresponding to a mini-document that relates to at least one section of an application document, wherein the properties comprise at least one of a context free chunk element and a table element;
  - mapping the properties of the mini-document into ~~at least one of a markup language element, an attribute, and a value;~~ and
  - storing the properties of the mini-document in the markup language document.
2. (Original) The method of Claim 1, further comprising determining whether the mini-document is one of a header and a footer.
3. (Original) The method of Claim 1, wherein mapping the properties further comprises mapping a type attribute that corresponds to the mini-document.
4. (Original) The method of Claim 3, wherein the type attribute corresponds to whether the mini-document occurs on a first page, odd pages, or even pages of the specified section of the application document.
5. (Cancelled)
6. (Currently amended) The method of Claim 1, further comprising:
  - determining properties corresponding to an additional mini-document that relates to at least one section of the application document, wherein the properties comprise at least one of a context free chunk element and a table element;
  - mapping the properties of the additional mini-document into ~~at least one of a markup language element, an attribute, and a value;~~ and
  - storing the properties of the additional mini-document in the markup language document.

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7. (Original) The method of Claim 1, further comprising:  
determining whether properties associated with all mini-documents of the application document have been stored in the markup language document; and  
processing further mini-documents when the properties associated with all mini-documents have not been stored in the markup language document.
8. (Original) The method of Claim 1, wherein the properties of the mini-document stored in the markup language document are understood by an application that understands the markup language when the mini-document is not native to the application.
9. (Original) The method of Claim 1, wherein the markup language document is manipulated on a server to substantially reproduce the mini-document of the application document notwithstanding the presence of an application that generated the markup language document.
10. (Currently amended) A computer-readable medium for representing headers and footers in a markup language document, comprising:  
determining properties relating to a mini-document used within a word-processing document, wherein the properties comprise at least one of a context free chunk element and a table element;  
determining whether the mini-document is one of a header and a footer;  
writing the properties into ~~at least one of~~ a markup language element, ~~an attribute, and a~~  
~~value;~~ and  
storing the properties in the markup language document such that the headers and footers of the word-processing document are substantially maintained when the markup language document is parsed by an application.

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11. (Original) The computer-readable medium of Claim 10, wherein the markup language document is manipulated on a server to substantially reproduce the mini-document of the word-processing document notwithstanding the presence of an application that generated the markup language document.
12. (Original) The computer-readable medium of Claim 10, wherein the properties of the mini-document stored in the markup language document are understood by an application that understands the markup language when the mini-document is not native to the application.
13. (Original) The computer-readable medium of Claim 10, wherein mapping the properties further comprises mapping a type attribute that corresponds to the mini-document.
14. (Original) The computer-readable medium of Claim 13, wherein the type attribute corresponds to whether the mini-document occurs on a first page, odd pages, or even pages of the specified section of the word-processing document.
15. (Cancelled)
16. (Currently amended) The computer-readable medium of Claim 10, further comprising:  
determining properties corresponding to an additional mini-document that relates to at least one section of the word-processing document, wherein the properties comprise at least one of a context free chunk element and a table element;  
mapping the properties of the additional mini-document into ~~at least one of~~ a markup language element, ~~an attribute, and a value;~~ and  
storing the properties of the additional mini-document in the markup language document.
17. (Original) The computer-readable medium of Claim 10, further comprising:  
determining whether properties associated with all mini-documents of the word-processing document have been stored in the markup language document; and

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processing further mini-documents when the properties associated with all mini-documents have not been stored in the markup language document.

18. (Currently amended) A system for representing header and footer information in a markup language document, comprising:

an application that is configured to:

determine properties relating to a mini-document included in at least one section of an application document, wherein the properties comprise at least one of a context free chunk element and a table element;

determine whether the mini-document is one of a header and a footer;

map the properties into ~~at least one of a markup language element, an attribute, and a value;~~ and

store the properties in the markup language document; and

a validation engine configured to validate the markup language document.

19. (Currently amended) The system of Claim 18, wherein the application is further configured to:

determine properties corresponding to an additional mini-document that relates to at least one section of the application document, wherein the properties comprise at least one of a context free chunk element and a table element;

map the properties of the additional mini-document into ~~at least one of a markup language element, an attribute, and a value;~~ and

store the properties of the additional mini-document in the markup language document.

20. (Original) The system of Claim 18, wherein the application is further configured to:

determine whether properties associated with all mini-documents of the application document have been stored in the markup language document; and

process further mini-documents when the properties associated with all mini-documents have not been stored in the markup language document.

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21. (Original) The system of Claim 18, wherein the properties of the mini-document stored in the markup language document are understood by an additional application that understands the markup language when the mini-document is not native to the additional application.

22. (Original) The system of Claim 18, wherein the markup language document is manipulated on a server to substantially reproduce the mini-document of the application document notwithstanding the presence of the application that generated the markup language document.